

BC #12



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PCT09

## RAW SEQUENCE LISTING

DATE: 03/13/2002

PATENT APPLICATION: US/09/787,714A

TIME: 14:24:16

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\03132002\I787714A.raw

3 <110> APPLICANT: Descamps, Valerie  
 4 Klarszinsky, Olivier  
 5 Barbeyron, Tristan  
 6 Cloarec, Bernard  
 7 Fritig, Bernard  
 8 Joubert, Jean-Marie  
 9 Plesse, Bertrand  
 10 Yvin, Jean-Claude  
 12 <120> TITLE OF INVENTION: Endofucanases and Method Using Same for Preparing Fuco-  
 oligosaccharides  
 13 from Fucanes, Bacterium Producing Endofucanases and Uses of Fuco-  
 14 oligosaccharides for Plant Protection  
 16 <130> FILE REFERENCE: 32976-256844  
 18 <140> CURRENT APPLICATION NUMBER: US 09/787,714A  
 C--> 19 <141> CURRENT FILING DATE: 2001-12-31  
 21 <150> PRIOR APPLICATION NUMBER: PCT/FR99/02243  
 22 <151> PRIOR FILING DATE: 1999-09-21  
 24 <160> NUMBER OF SEQ ID NOS: 6  
 26 <170> SOFTWARE: PatentIn version 3.1  
 28 <210> SEQ ID NO: 1  
 29 <211> LENGTH: 1474  
 30 <212> TYPE: DNA  
 31 <213> ORGANISM: Unknown  
 33 <220> FEATURE:  
 34 <223> OTHER INFORMATION: Gram-negative rod bacterium  
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 37 <221> NAME/KEY: misc\_feature  
 38 <222> LOCATION: (12)..(12)  
 39 <223> OTHER INFORMATION: "n" = a or g or c or t/u, unknown or other  
 42 <220> FEATURE:  
 43 <221> NAME/KEY: misc\_feature  
 44 <222> LOCATION: (1124)..(1124)  
 45 <223> OTHER INFORMATION: "n" = a or g or c or t/u, unknown or other  
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 51 ggtagagaga gcttgctttt cttgagaccg ggcacagggt gcgtaacgcg tatacaatct 120  
 53 gcctcttact gcgggatagc ccagagaaat ttggattaat atcgcatagc ataacgaccc 180  
 55 cgcattggat gttattaaag gttacggtaa gagatgagta tgcgttctat tagctagatg 240  
 57 gagtggtaac ggcacacccat ggcaacgata gatagggggc ctgagagggg gatccccac 300  
 59 actggtactg agacacggac cagactccta cgggaggcag cagtgaggaa tattggacaa 360  
 61 tggaggcaac tctgatccag ccatgccgcg tgcaggaaga cggccctatg ggttgtaaac 420  
 63 tgcttttata cgggaagaaa caccgctacg tgtagccttt gacggtaccg taagaataag 480  
 65 gatcggctaa ctccgtgccg gcagccgcgg taatacggag gatccaagcg ttatccggaa 540  
 67 tcattgggtt taaagggtcc gtagtggatg attaagtcag aggtgaaatc ctgccgctca 600

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69 acggtagaat tgcctttgat actggttatc ttgaatcaat gtgaagtggg tagaatatgt      660
71 agtgtagcgg tgaaatgcat agatattaca tagaatacca attgcgaagg cagatcacta      720
73 acattgtatt gacactgatg gacgaaagcg tggggagcga acaggattag ataccctggg      780
75 agtccacgcc gtaaacgatg gatactagct gttcggattt atctgagtggt ctaagcgaaa      840
77 gtgataagta tcccacctgg ggagtacgtt cgcaagaatg aaactcaaag gaattgacgg      900
79 gggcccgcac aagcggtgga gcatgtggtt taattcgatg atacgcgagg aaccttacca      960
81 gggcttaaat gtagattgca ttaggtggag aacttattt cttcggaaca tctacaaggt     1020
83 gctgcatggt tgtcgtcagc tcgtgccgtg aggtgtcagg ttaagtccta taacgagcgc     1080
W--> 85 aacccccgtt gttagtggcc agcgagtcac gtcgggaact ctancaagac tgccagtgca     1140
87 aactgtgagg aaggtgggga tgacgtcaaa tcatcacggc cttacgtcc tgggctacac     1200
89 acgtgctaca atggtaggga cagagagcag ccactggcgc accaggagcg aatctataaa     1260
91 cctatcacca gttcggatcg gagtctgcaa ctcgactccg tgaagctgga atcgctagta     1320
93 atcgcatatc agccatgatg cgggtgaatac gttcccgggc cttgtacaca ccgcccgtca     1380
95 agccatggaa gctggggagt cctgaagtcc gtcaccgcaa ggagcggcct agggtaaaaat     1440
97 cggtaaactag ggctaagtcg taacaagggtg tccg                                     1474
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102 <212> TYPE: PRT
103 <213> ORGANISM: Unknown
105 <220> FEATURE:
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117 <213> ORGANISM: Unknown
119 <220> FEATURE:
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128 Gly Lys
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135 <213> ORGANISM: Unknown
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Gram-negative rod bacterium
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146 Pro
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152 <212> TYPE: DNA
153 <213> ORGANISM: Unknown
155 <220> FEATURE:

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161 tcacctatac ttaatcttac cgatggaaaaa ggatcattcg cctataatta tactttgcaa      120
163 ttaggaaccg attattatga ttttgaaggt gatgcactta ctattactaa aacatcagga      180
165 cctgattggc tcaccattca aca                                     203
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169 <211> LENGTH: 67
170 <212> TYPE: PRT
171 <213> ORGANISM: Unknown
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Gram-negative rod bacterium
176 <400> SEQUENCE: 6
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179 1          5          10          15
182 Pro Val Trp Ser Ser Pro Ile Leu Asn Leu Thr Asp Gly Lys Gly Ser
183          20          25          30
186 Phe Ala Tyr Asn Tyr Thr Leu Gln Leu Gly Thr Asp Tyr Tyr Asp Phe
187          35          40          45
190 Glu Gly Asp Ala Leu Thr Ile Thr Lys Thr Ser Gly Pro Asp Trp Leu
191          50          55          60
194 Thr Ile Gln
195 65

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VERIFICATION SUMMARY

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L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1